

Abstract

A method for producing gas clathrate provides a mixing/
/dissolving step, where raw material liquid and raw material
gas are mixed on the way of the line and where the raw material
gas is dissolved into the raw material liquid. The method,
furthermore, provides a forming step, where the gas clathrate
is formed by cooling the raw material liquid, into which the
raw material gas has been dissolved, while forcing the raw
material liquid to flow through a reaction conduit. An apparatus
for producing gas clathrate provides a line mixer, where the
raw material liquid and the raw material gas are mixed on the
way of the line, and where the raw material gas is dissolved
into the raw material liquid. And, the apparatus provides a
reaction conduit for forming the gas clathrate by cooling,
simultaneously with forcing the raw material liquid to flow
through the reaction conduit.